AN 121:61570 HCA
TI Hydrogen-absorbing alloys
IN Nomura, Kei; Akiba, Etsuo
PA Kogyo Gijutsuin, Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
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AB H-absorbing alloys are composed of Ti 33-47, V 42-67, and Fe 2.5-14 mol%. The alloys are capable of rapid absorbing and desorbing of large amts. of H between -20.degree. and 300.degree., resistant to exposure to air, and useful for nuclear technol. Thus, an alloy composed of Ti 43.5, V 49.0, and Fe 7.5 mol% absorbed 3.9 wt.% H (0.1 MPa) at -20.degree., and desorbed 2.4 wt.% H by heating to 300.degree..